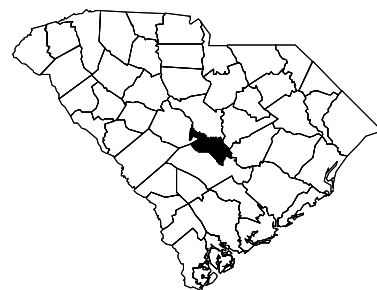


# IMPACT OF CHRONIC CONDITIONS CALHOUN County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Calhoun county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Calhoun county's population is similar to the state population. The majority (34%) of the population in Calhoun county are between the ages of 18-44. There are more females (52.5%) than males (47.5%). Calhoun county has a higher minority population (49%) than the state (32%). When adults in Calhoun county were asked about their general health status, 75.7% reported having excellent, very good, or good health in 2002 (SC was 83%).

	CALHOUN COUNTY	STATE
<b>Population size</b>	15,366	4,107,183
<b>Age distribution (%)</b>		
<18	23	24
18-44	34	40
45-64	29	24
65-84	12	11
85+	2	1
<b>Race (%)</b>		
White	51	68
Black & Other	49	32
<b>Sex (%)</b>		
Male	48	49
Female	53	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Calhoun county.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	27	27
Sedentary lifestyle	40	42
Overweight	63	60
High Cholesterol	8	8

Some preventive measures such as immunization were included in the 2002 SC BRFSS. For persons aged 65 years and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	25.8	.	.	.	.	28.4
Number of hospitalizations	20	15	5	12	8	5,173
Standard rate of hospitalizations (per 100,000)	114	197	48	156	80	125
Median age of hospitalized patients	63	65	58	68	63	63
Total cost of hospitalization (\$)	370,500	282,100	88,400	216,600	153,900	79,350,400
Average length of hospital stay (days)	7	7	7	8	6	5
Number of ED visits	34	28	6	13	21	7,306
Standard rate of ED visits (per 100,000)	207	383	59	172	230	175
Median age of ED patients	43	43	40	43	38	53
Total cost of ED visits (\$)	37,600	26,700	10,900	14,800	22,800	5,902,800
Number of deaths*	2	2	-	-	2	366
Standard death rate (per 100,000)*	10	25	-	-	16	9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	4.28	.	.	.	.	5.13
Number of hospitalizations	128	51	77	68	60	30,831
Standard rate of hospitalizations (per 100,000)	691	645	715	802	567	734
Median age of hospitalized patients	63	58	63	58	68	68
Total cost of hospitalization (\$)	3,125,900	1,113,200	2,012,700	1,707,400	1,418,500	969,122,700
Average length of hospital stay (days)	5	5	5	4	6	5
Number of ED visits	.	.	.	.	.	2,754
Standard rate of ED visits (per 100,000)	51	14	77	35	56	66
Median age of ED patients	60	53	63	55	65	63
Total cost of ED visits (\$)	63,700	4,400	59,300	31,200	32,500	10,617,900
Number of deaths*	50	26	24	22	28	9,723
Standard death rate (per 100,000)*	280	346	227	290	250	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	2.53	.	.	.	.	2.38
Number of hospitalizations	58	25	33	23	35	14,317
Standard rate of hospitalizations (per 100,000)	327	339	306	308	349	351
Median age of hospitalized patients	73	68	73	68	73	73
Total cost of hospitalization (\$)	1,549,900	941,000	608,900	871,600	678,300	279,819,700
Average length of hospital stay (days)	8	9	7	9	7	6
Number of ED visits	12	6	6	8	4	2,732
Standard rate of ED visits (per 100,000)	70	83	53	100	51	67
Median age of ED patients	63	63	73	63	73	73
Total cost of ED visits (\$)	42,000	19,700	22,300	25,500	16,500	6,322,600
Number of deaths*	10	8	2	6	4	2,816
Standard death rate (per 100,000)*	61	113	19	93	44	73

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	56	34	22	28	28	14,524
Standard rate of hospitalizations (per 100,000)	340	452	240	358	312	351
Median age of hospitalized patients	55	43	68	48	60	58
Total cost of hospitalization (\$)	660,100	364,600	295,500	360,900	299,200	198,700,700
Average length of hospital stay (days)	4	4	4	4	4	5
Number of ED visits	152	117	35	61	91	37,517
Standard rate of ED visits (per 100,000)	1,037	1,580	471	902	1,169	914
Median age of ED patients	28	28	23	23	28	33
Total cost of ED visits (\$)	164,100	126,000	38,100	59,800	104,300	30,607,600
Number of deaths*	8	-	8	4	4	1,891
Standard death rate (per 100,000)*	47	-	.	59	39	48

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	7.86	.	.	.	.	8.33
Number of hospitalizations	27	18	9	15	12	8,652
Standard rate of hospitalizations (per 100,000)	152	240	87	185	132	207
Median age of hospitalized patients	53	58	48	55	53	53
Total cost of hospitalization (\$)	314,000	178,000	136,000	227,700	86,300	127,167,500
Average length of hospital stay (days)	5	4	6	6	3	6
Number of ED visits	43	34	9	17	26	9,316
Standard rate of ED visits (per 100,000)	249	450	89	215	280	224
Median age of ED patients	43	48	43	43	48	53
Total cost of ED visits (\$)	52,200	39,100	13,100	18,900	33,300	8,261,100
Number of deaths*	3	2	1	1	-	1,114
Standard death rate (per 100,000)*	18	27	9	19	-	28

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	118	65	53	48	70	24,644
Standard rate of hospitalizations (per 100,000)	709	895	550	619	807	591
Median age of hospitalized patients	58	53	63	63	48	58
Total cost of hospitalization (\$)	3,221,400	1,785,400	1,436,000	1,540,700	1,680,700	605,119,300
Average length of hospital stay (days)	7	7	7	8	6	6
Number of deaths*	36	13	23	22	14	8,320
Standard death rate (per 100,000)*	202	181	217	299	142	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	11	4	7	7	4	2,113
Standard rate of hospitalizations (per 100,000)	61	54	67	94	37	51
Median age of hospitalized patients	73	63	78	73	75	68
Total cost of hospitalization (\$)	596,400	234,200	362,200	354,600	241,800	80,248,200
Average length of hospital stay (days)	11	14	10	10	14	10
Number of deaths*	4	2	2	4	-	807
Standard death rate (per 100,000)*	20	25	17	50	-	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	1,465
Standard rate of hospitalizations (per 100,000)	38	28	48	.	70	35
Median age of hospitalized patients	63	68	58	.	63	63
Total cost of hospitalization (\$)	87,500	30,300	57,200	.	87,500	21,213,600
Average length of hospital stay (days)	2	2	2	.	2	3
Number of deaths*	4	-	4	-	4	630
Standard death rate (per 100,000)*	23	.	42	-	45	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	222
Standard rate of hospitalizations (per 100,000)	5	12	.	.	10	5
Median age of hospitalized patients	48	48	.	.	48	48
Total cost of hospitalization (\$)	24,900	24,900	.	.	24,900	3,668,300
Average length of hospital stay (days)	4	4	.	.	-	4
Number of deaths*	-	-	-	-	-	26
Standard death rate (per 100,000)*	-	-	-	-	-	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	2,154
Standard rate of hospitalizations (per 100,000)	35	27	37	84	.	51
Median age of hospitalized patients	75	80	73	75	.	68
Total cost of hospitalization (\$)	129,300	43,100	86,200	129,300	.	70,474,400
Average length of hospital stay (days)	8	5	10	8	.	9
Number of deaths*	8	4	4	8	-	2,481
Standard death rate (per 100,000)*	49	62	39	114	-	60

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	12	11	1	12	.	1,353
Standard rate of hospitalizations (per 100,000)	64	144	10	148	.	32
Median age of hospitalized patients	63	63	48	63	.	68
Total cost of hospitalization (\$)	241,500	227,700	13,800	241,500	.	24,726,200
Average length of hospital stay (days)	4	5	1	4	.	4
Number of deaths*	3	3	-	3	-	478
Standard death rate (per 100,000)*	16	40	-	52	-	12

\*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

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